

Data Path : Z:\HPCHEM1\BNA_E\Data\BE091715\
 Data File : BE090862.D
 Acq On : 17 Sep 2015 13:40
 Operator : UM/IZ
 Sample : PB85602BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB85602BL

Quant Time: Sep 17 15:01:52 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 11:40:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	52086	5.00	ng	-0.01
6) Naphthalene-d8	10.29	136	243309	5.00	ng	-0.01
12) Acenaphthene-d10	14.16	164	132495	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	321049	5.00	ng	0.00
25) Chrysene-d12	21.07	240	358512	5.00	ng	0.00
32) Perylene-d12	23.35	264	335174	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.17	112	75995	7.48	ng	-0.02
5) Phenol-d6	6.73	99	108075	7.45	ng	-0.02
7) Nitrobenzene-d5	8.69	82	48918	3.04	ng	-0.01
13) 2,4,6-Tribromophenol	15.67	330	24197	6.26	ng	0.00
14) 2-Fluorobiphenyl	12.78	172	104064	2.84	ng	-0.01
27) Terphenyl-d14	19.53	244	170147	4.29	ng	-0.01

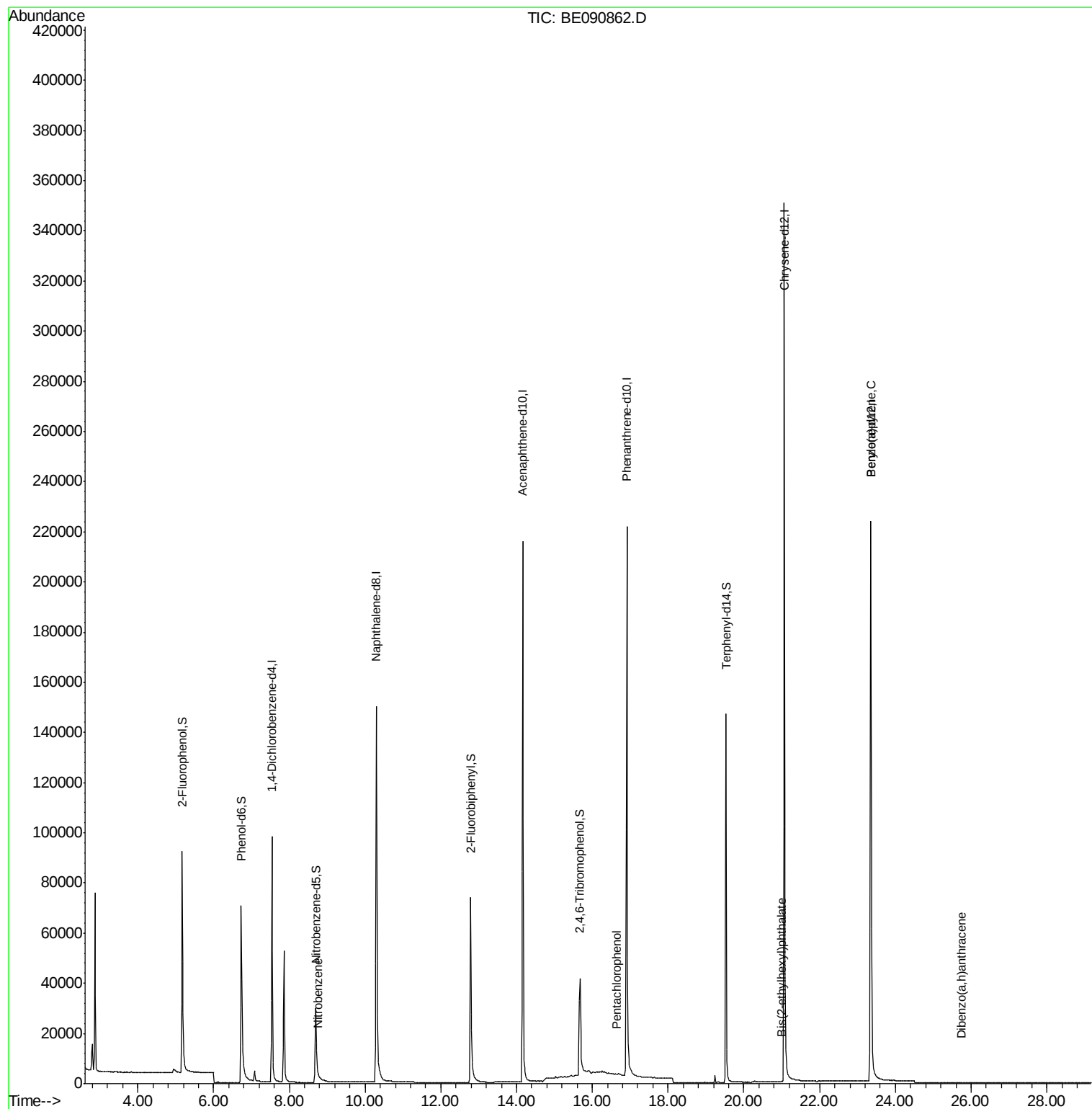
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	35	Below Cal	#	16
3) n-Nitrosodimethylamine	3.45	42	25	Below Cal	#	1
8) Nitrobenzene	8.76	77	20	0.11 ng	#	39
20) Hexachlorobenzene	16.21	284	23	Below Cal	#	37
21) Pentachlorophenol	16.63	266	8	0.46 ng	#	53
28) Benzo(a)anthracene	21.07	228	1163	Below Cal	#	75
29) Chrysene	21.10	228	390	Below Cal	#	64
30) Bis(2-ethylhexyl)phthalate	21.00	149	196	0.07 ng	#	79
35) Benzo(a)pyrene	23.35	252	1393	0.02 ng	#	36
36) Dibenzo(a,h)anthracene	25.74	278	9	0.14 ng	#	1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.54 min Scan# 836

Delta R.T. -0.01 min

Lab File: BE090862.D

Acq: 17 Sep 2015 13:40

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BNA_E

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PB85602BL

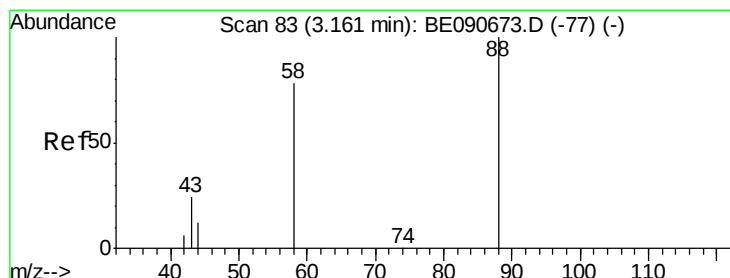
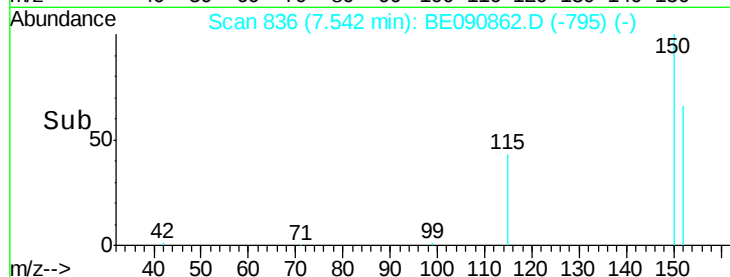
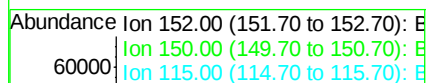
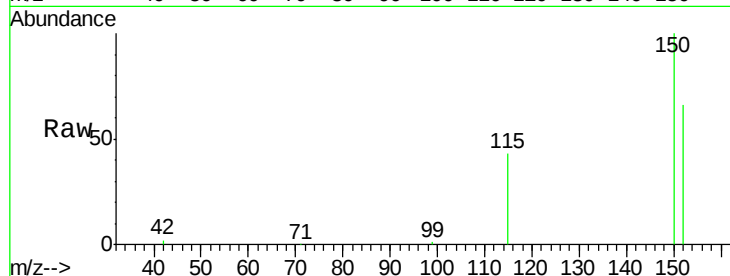
Tgt Ion: 152 Resp: 52086

Ion Ratio Lower Upper

152 100

150 152.0 122.2 183.4

115 64.9 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.30 min Scan# 104

Delta R.T. 0.14 min

Lab File: BE090862.D

Acq: 17 Sep 2015 13:40

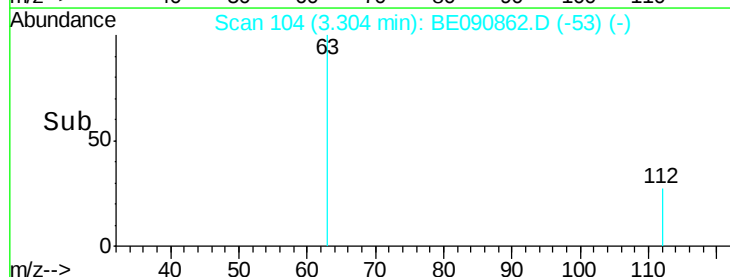
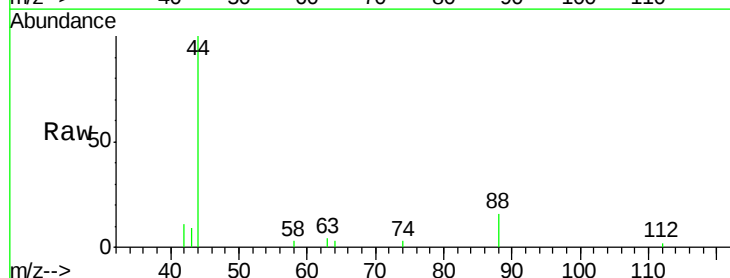
Tgt Ion: 88 Resp: 35

Ion Ratio Lower Upper

88 100

58 0.0 68.4 102.6#

43 0.0 26.9 40.3#



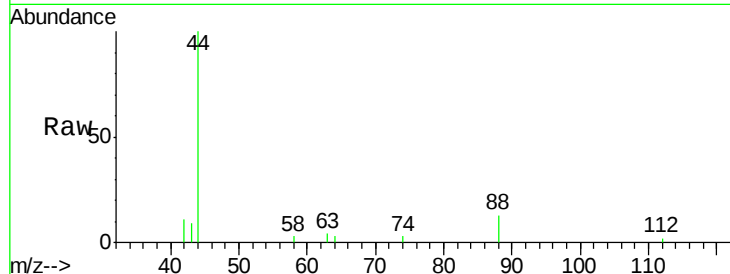


#3

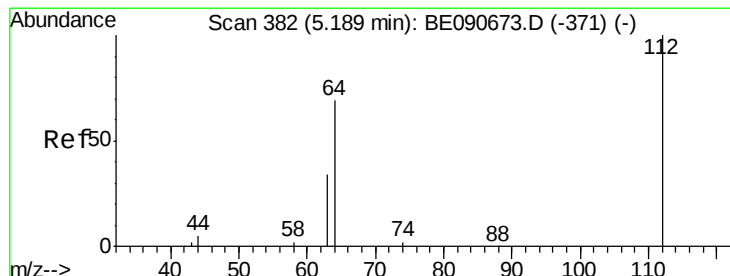
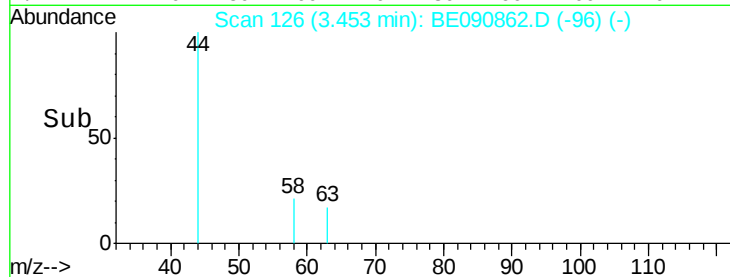
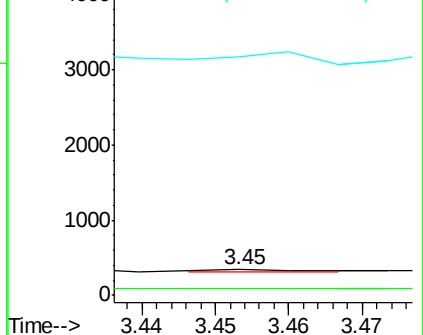
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.45 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: BE090862.D
 Acq: 17 Sep 2015 13:40

Instrument :
 BNA_E
 ClientSampleId :
 PB85602BL

Tgt Ion: 42 Resp: 25
 Ion Ratio Lower Upper
 42 100
 74 0.0 83.7 125.5#
 44 428.0 10.0 15.0#



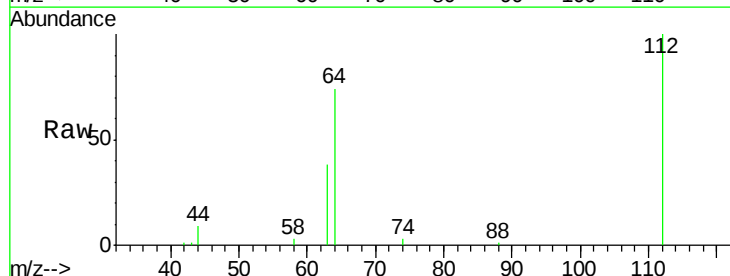
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



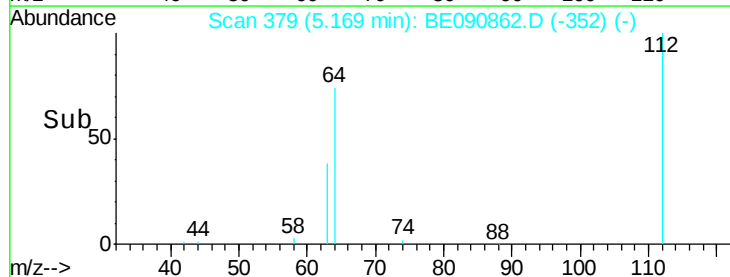
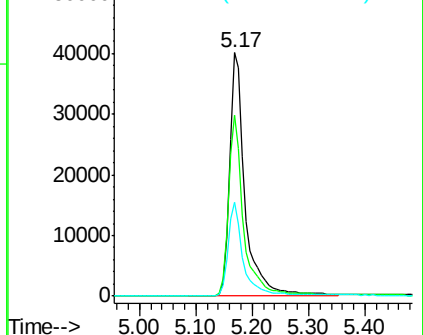
#4

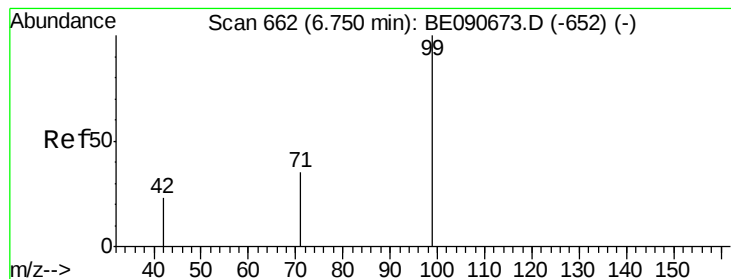
2-Fluorophenol
 Concen: 7.48 ng
 RT: 5.17 min Scan# 379
 Delta R.T. -0.02 min
 Lab File: BE090862.D
 Acq: 17 Sep 2015 13:40

Tgt Ion: 112 Resp: 75995
 Ion Ratio Lower Upper
 112 100
 64 72.7 57.3 85.9
 63 37.2 29.2 43.8



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.45 ng

RT: 6.73 min Scan# 658

Delta R.T. -0.02 min

Lab File: BE090862.D

Acq: 17 Sep 2015 13:40

Instrument :

BNA_E

ClientSampleId :

PB85602BL

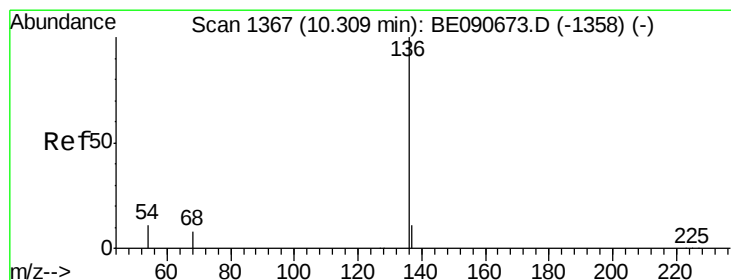
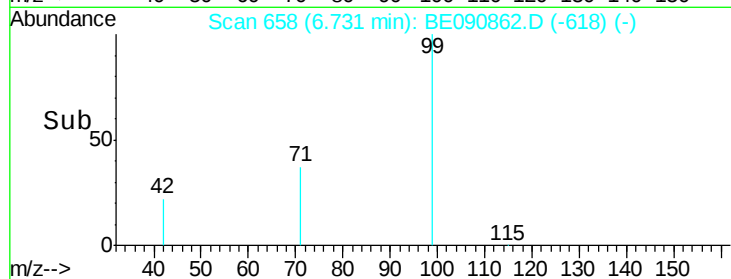
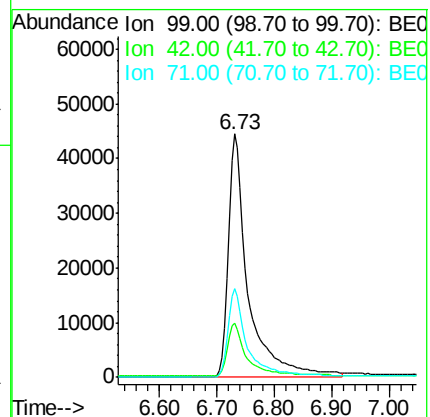
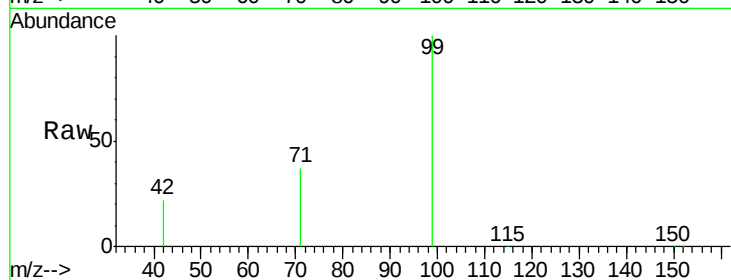
Tgt Ion: 99 Resp: 108075

Ion Ratio Lower Upper

99 100

42 21.3 16.8 25.2

71 35.9 28.3 42.5



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.29 min Scan# 1365

Delta R.T. -0.01 min

Lab File: BE090862.D

Acq: 17 Sep 2015 13:40

Tgt Ion: 136 Resp: 243309

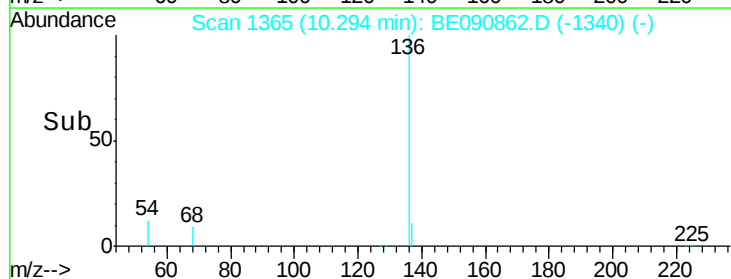
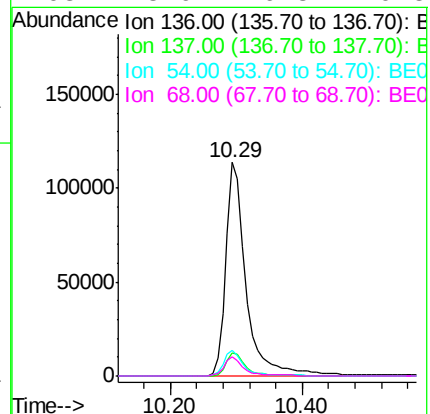
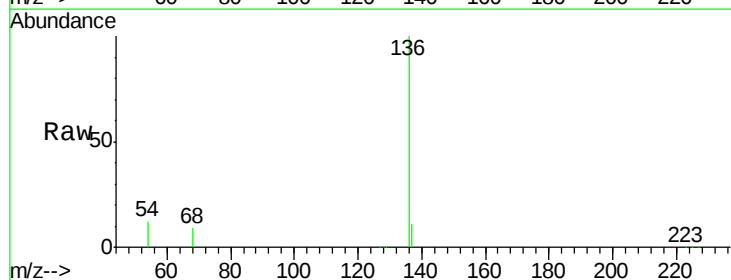
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 12.2 9.0 13.6

68 8.9 6.3 9.5





#7

Nitrobenzene-d5

Concen: 3.04 ng

RT: 8.69 min Scan# 1085

Delta R.T. -0.01 min

Lab File: BE090862.D

Acq: 17 Sep 2015 13:40

Instrument :

BNA_E

ClientSampleId :

PB85602BL

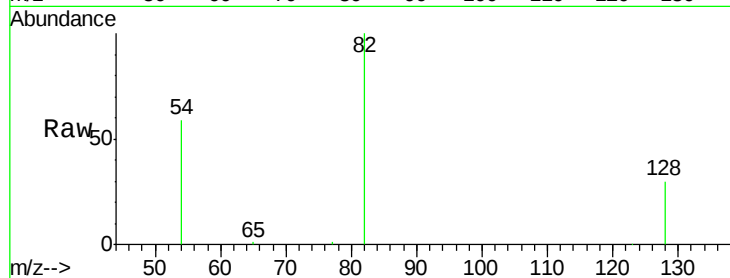
Tgt Ion: 82 Resp: 48918

Ion Ratio Lower Upper

82 100

128 30.5 25.0 37.4

54 59.3 46.3 69.5



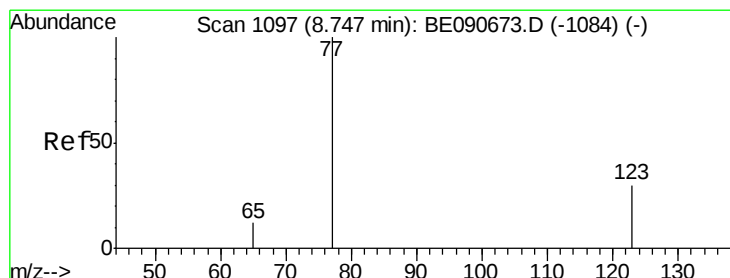
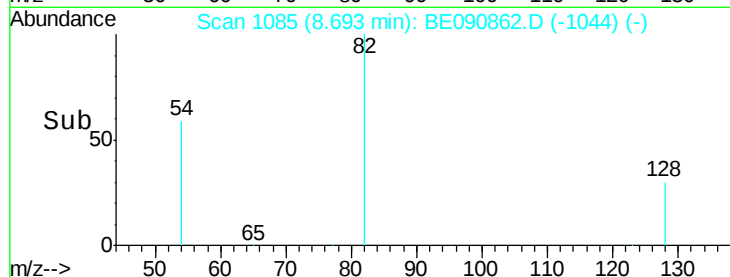
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

8.69

Time-->



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.76 min Scan# 1100

Delta R.T. 0.01 min

Lab File: BE090862.D

Acq: 17 Sep 2015 13:40

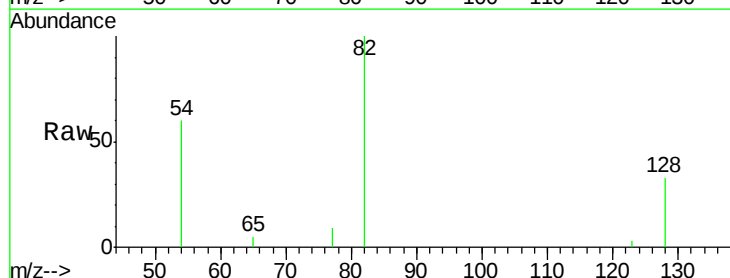
Tgt Ion: 77 Resp: 20

Ion Ratio Lower Upper

77 100

123 0.0 25.1 37.7#

65 40.0 9.9 14.9#



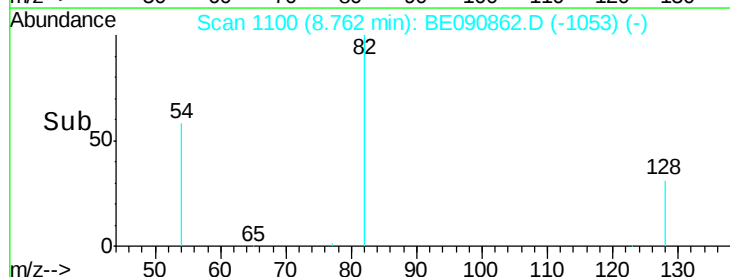
Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

8.76

Time-->





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.16 min Scan# 2069

Delta R.T. -0.01 min

Lab File: BE090862.D

Acq: 17 Sep 2015 13:40

Instrument :

BNA_E

ClientSampleId :

PB85602BL

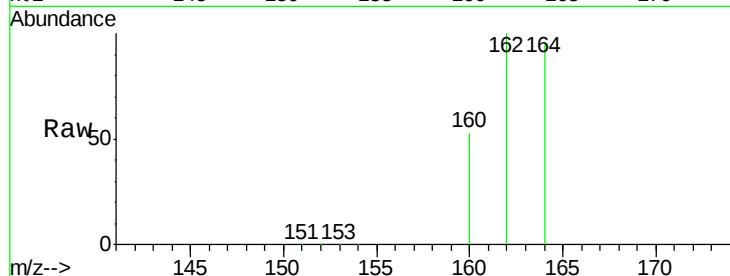
Tgt Ion:164 Resp: 132495

Ion Ratio Lower Upper

164 100

162 105.3 86.8 130.2

160 55.3 53.9 80.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

120000

100000

80000

60000

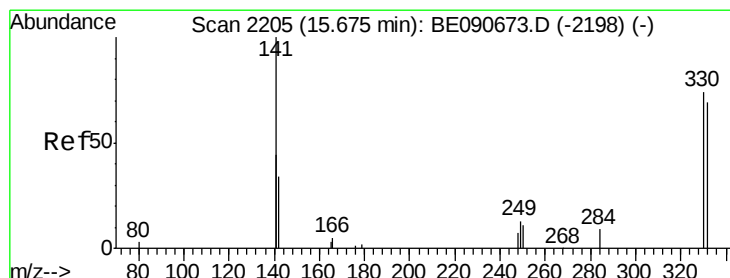
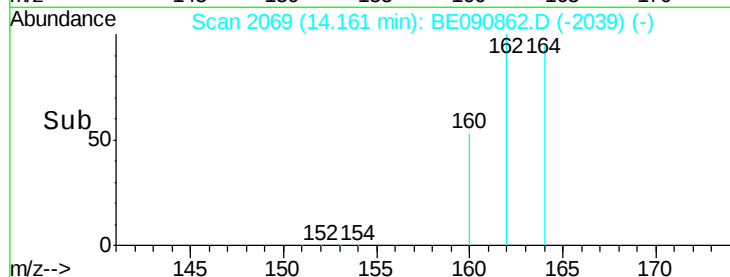
40000

20000

0

14.10 14.20 14.30

Time-->



#13

2,4,6-Tribromophenol

Concen: 6.26 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090862.D

Acq: 17 Sep 2015 13:40

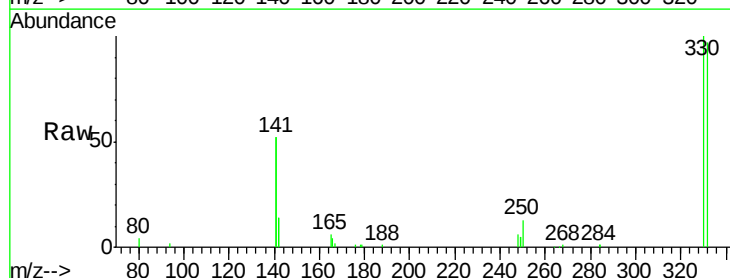
Tgt Ion:330 Resp: 24197

Ion Ratio Lower Upper

330 100

332 97.4 74.9 112.3

141 180.7 145.2 217.8



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

25000

20000

15000

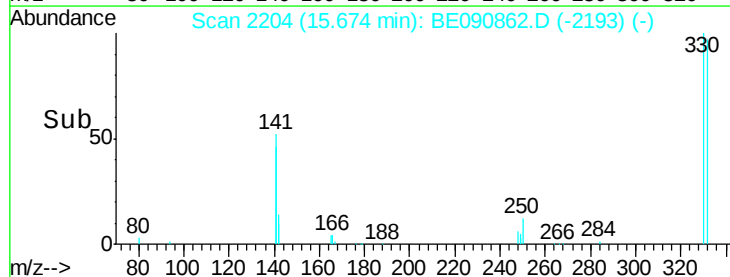
10000

5000

0

15.60 15.80

Time-->

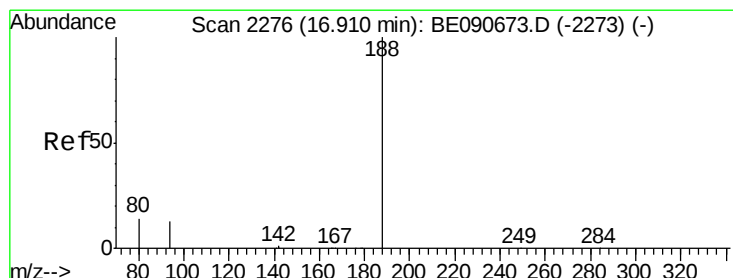
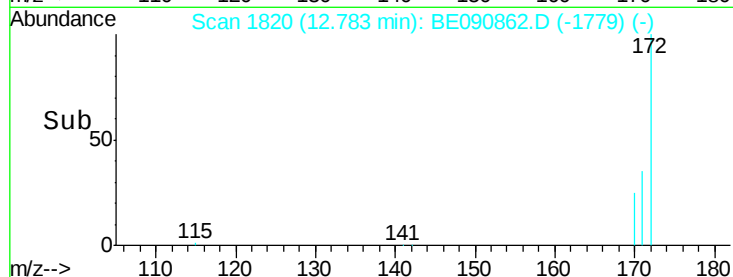
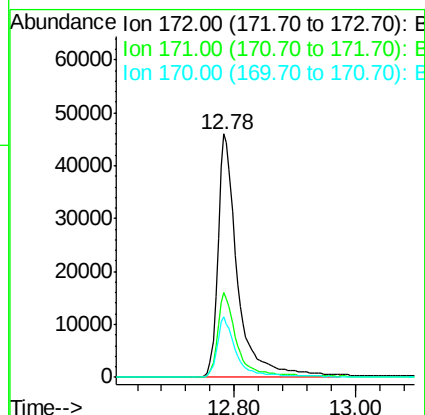
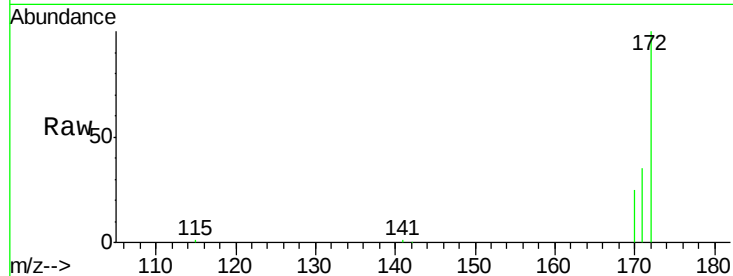




#14
2-Fluorobiphenyl
Concen: 2.84 ng
RT: 12.78 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BE090862.D
Acq: 17 Sep 2015 13:40

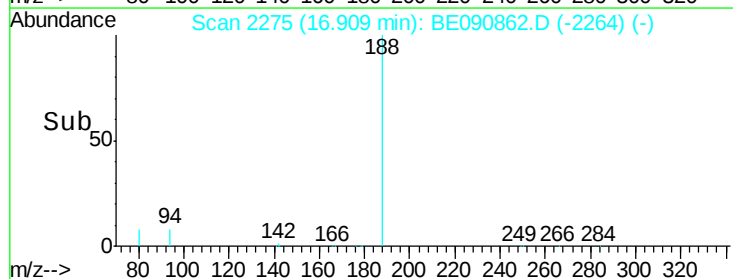
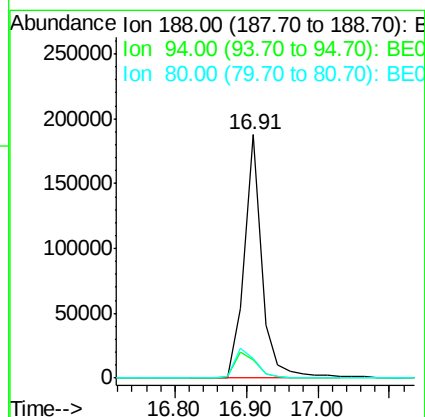
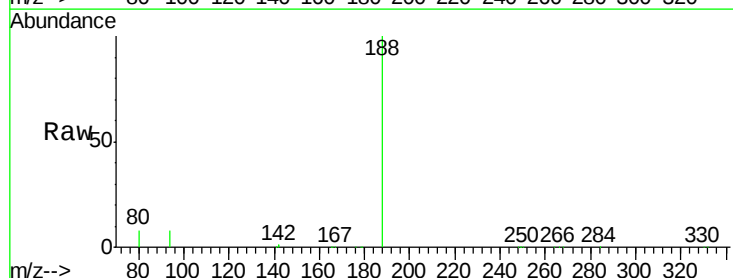
Instrument :
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Tgt Ion:172 Resp: 104064
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.8
170 24.7 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090862.D
Acq: 17 Sep 2015 13:40

Tgt Ion:188 Resp: 321049
Ion Ratio Lower Upper
188 100
94 7.7 10.3 15.5#
80 8.1 11.0 16.6#





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.21 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BE090862.D

Acq: 17 Sep 2015 13:40

Instrument :

BNA_E

ClientSampleId :

PB85602BL

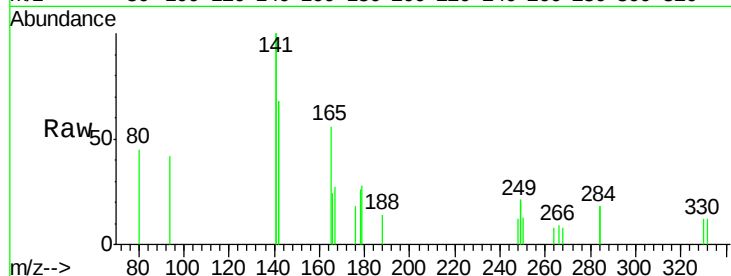
Tgt Ion: 284 Resp: 23

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

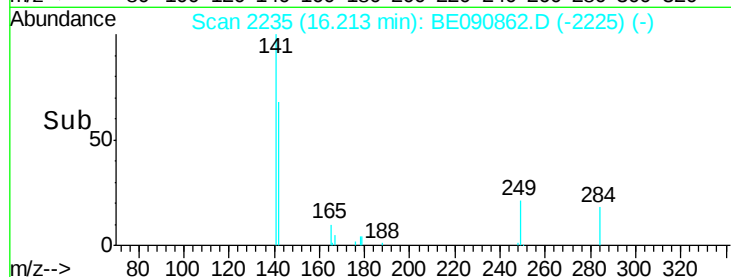
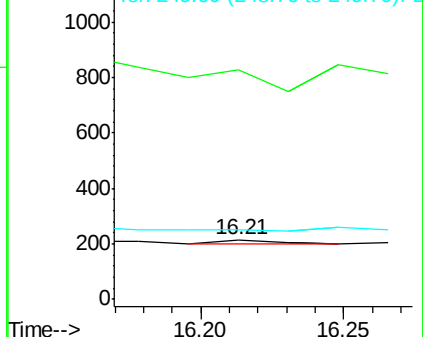
249 0.0 25.5 38.3#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#21

Pentachlorophenol

Concen: 0.46 ng

RT: 16.63 min Scan# 2259

Delta R.T. 0.03 min

Lab File: BE090862.D

Acq: 17 Sep 2015 13:40

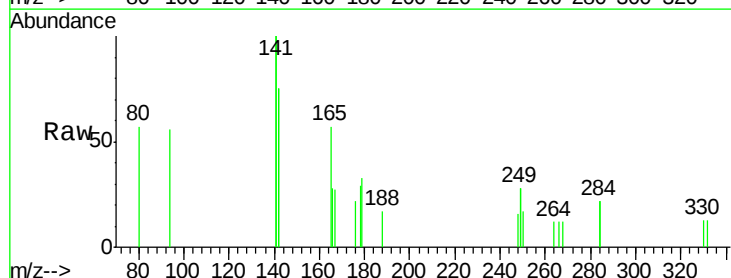
Tgt Ion: 266 Resp: 8

Ion Ratio Lower Upper

266 100

268 103.8 49.6 74.4#

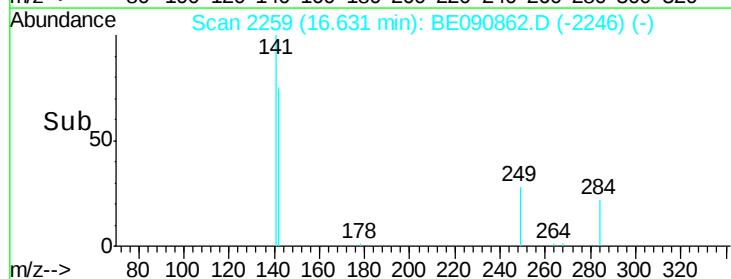
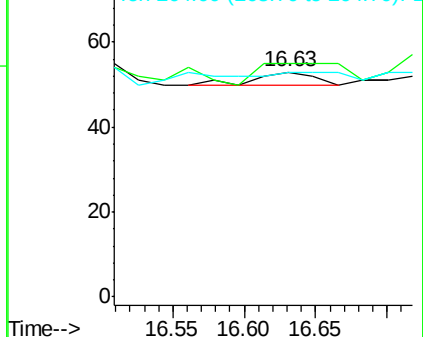
264 100.0 53.9 80.9#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BE090862.D

Acq: 17 Sep 2015 13:40

Instrument :

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ClientSampleId :

PB85602BL

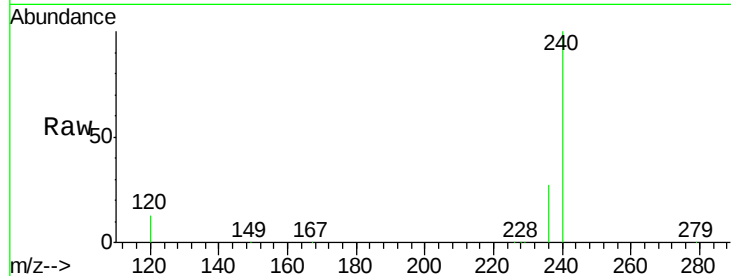
Tgt Ion:240 Resp: 358512

Ion Ratio Lower Upper

240 100

120 13.2 10.1 15.1

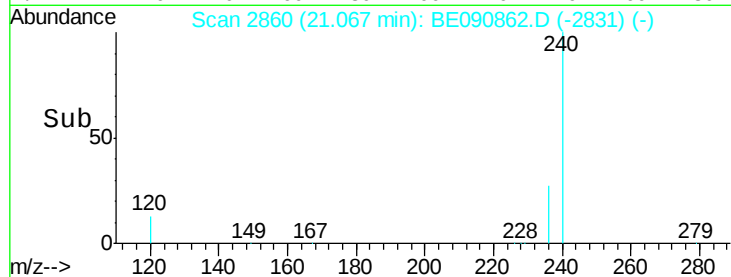
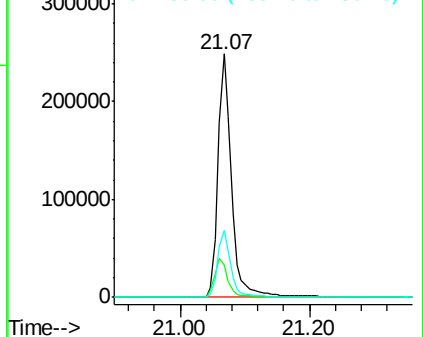
236 27.3 21.9 32.9



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#27

Terphenyl-d14

Concen: 4.29 ng

RT: 19.53 min Scan# 2608

Delta R.T. -0.01 min

Lab File: BE090862.D

Acq: 17 Sep 2015 13:40

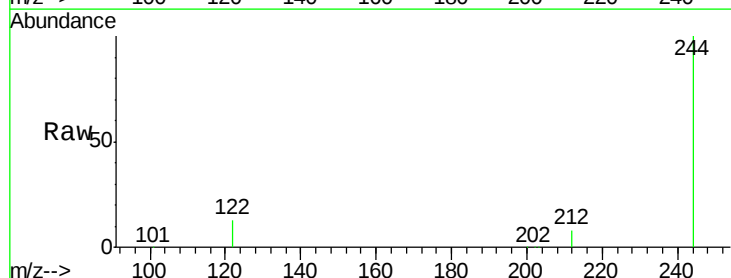
Tgt Ion:244 Resp: 170147

Ion Ratio Lower Upper

244 100

212 8.1 6.9 10.3

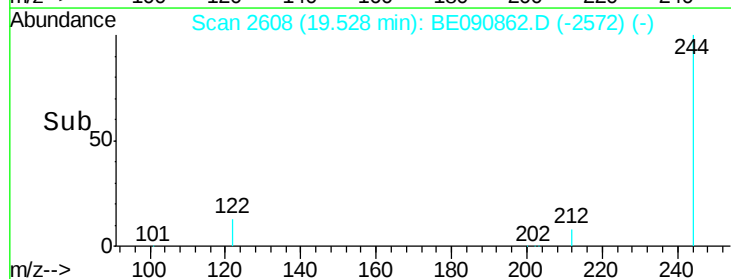
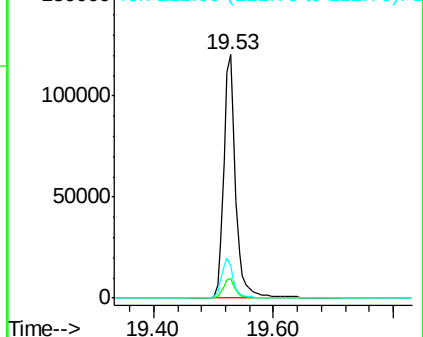
122 13.4 12.9 19.3

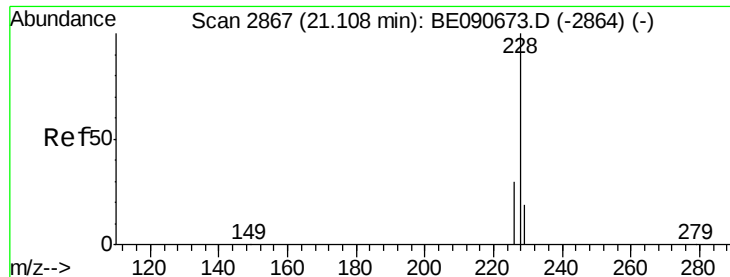


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#29

Chrysene

Concen: Below Cal

RT: 21.10 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BE090862.D

Acq: 17 Sep 2015 13:40

Instrument :

BNA_E

ClientSampled :

PB85602BL

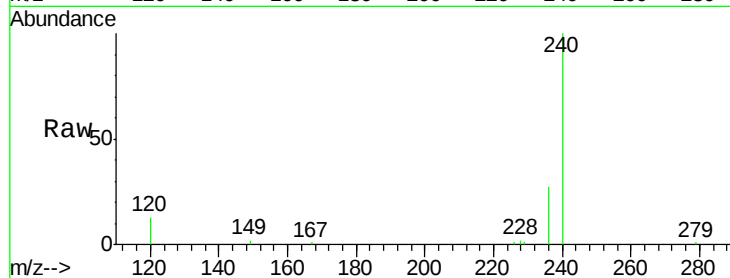
Tgt Ion:228 Resp: 390

Ion Ratio Lower Upper

228 100

226 47.7 24.2 36.4#

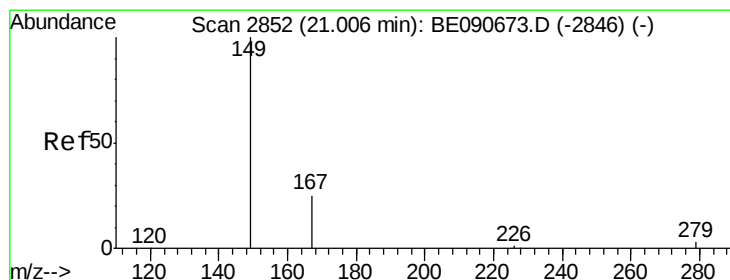
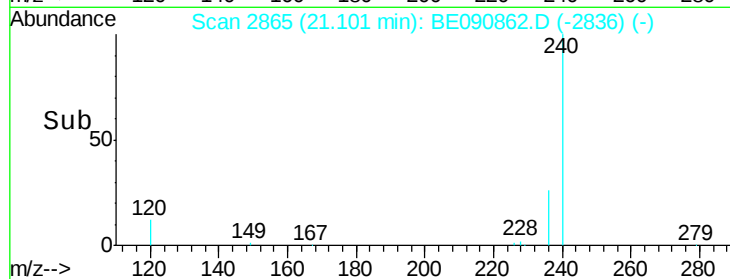
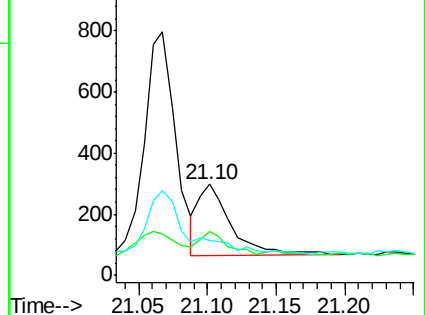
229 38.6 15.3 22.9#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.07 ng

RT: 21.00 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE090862.D

Acq: 17 Sep 2015 13:40

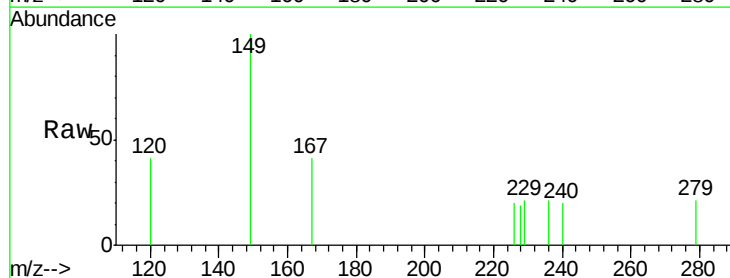
Tgt Ion:149 Resp: 196

Ion Ratio Lower Upper

149 100

167 36.7 20.1 30.1#

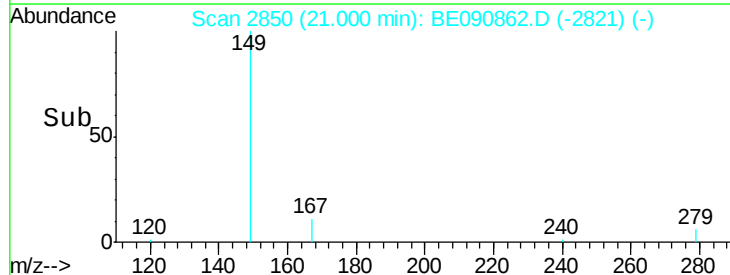
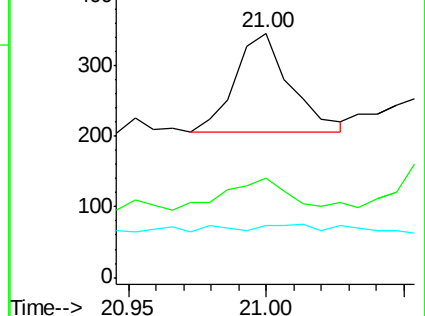
279 5.1 2.3 3.5#

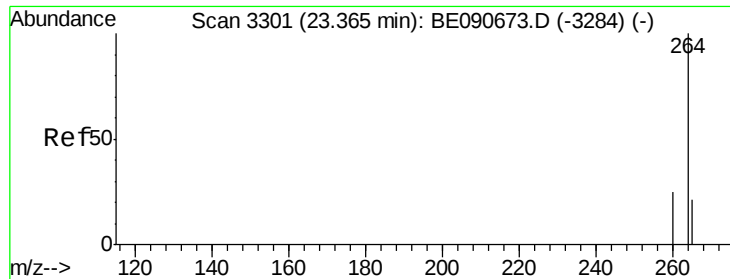


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



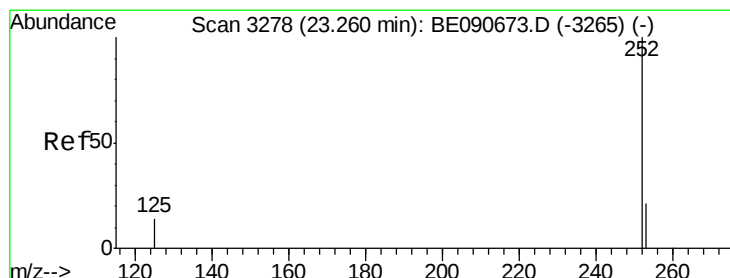
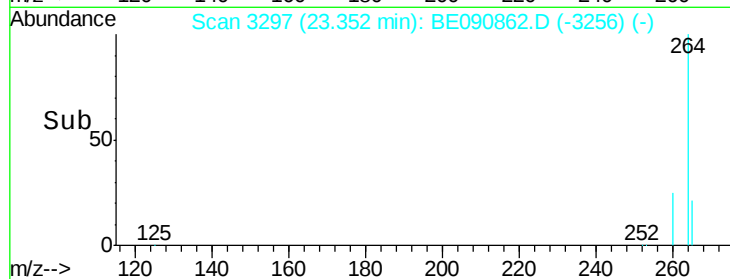
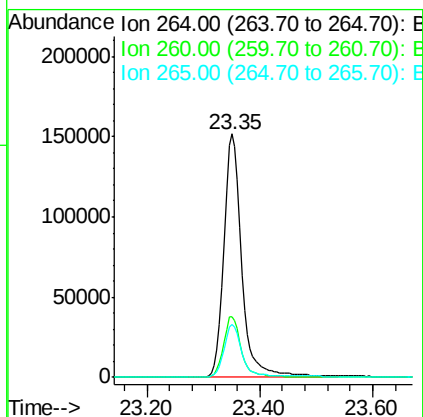
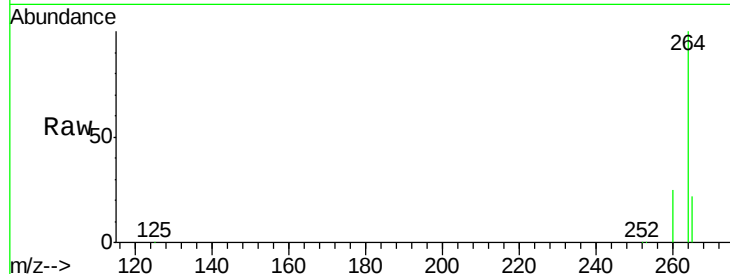


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.35 min Scan# 3297
Delta R.T. -0.01 min
Lab File: BE090862.D
Acq: 17 Sep 2015 13:40

Instrument :
BNA_E
ClientSampleId :
PB85602BL

Tgt Ion: 264 Resp: 335174

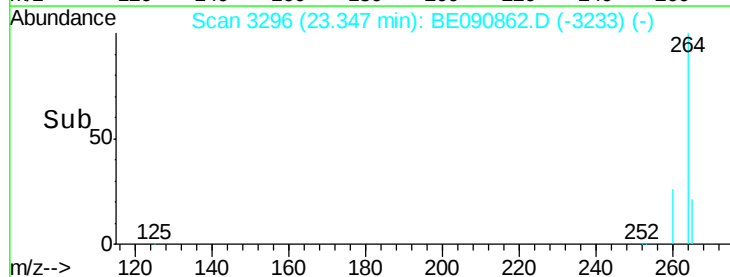
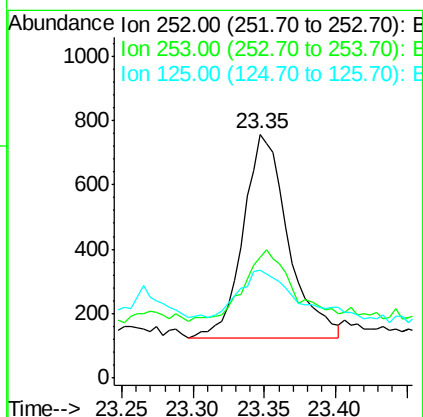
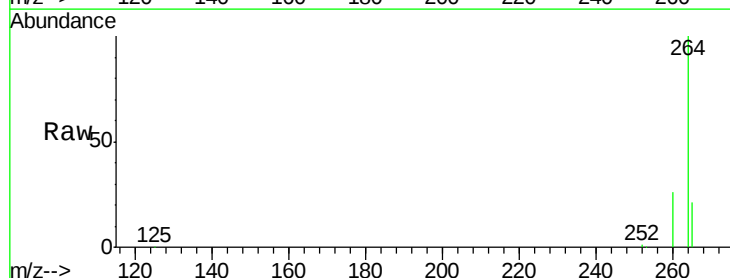
Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.7	29.5
265	21.7	17.5	26.3

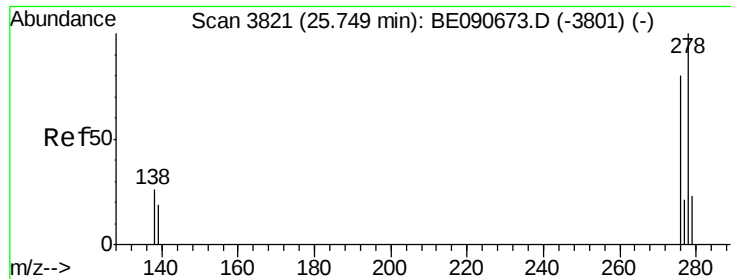


#35
Benzo(a)pyrene
Concen: 0.02 ng
RT: 23.35 min Scan# 3296
Delta R.T. 0.09 min
Lab File: BE090862.D
Acq: 17 Sep 2015 13:40

Tgt Ion: 252 Resp: 1393

Ion	Ratio	Lower	Upper
252	100		
253	49.5	17.5	26.3#
125	44.3	11.6	17.4#





#36

Dibenzo(a,h)anthracene

Concen: 0.14 ng

RT: 25.74 min Scan# 3817

Delta R.T. -0.01 min

Lab File: BE090862.D

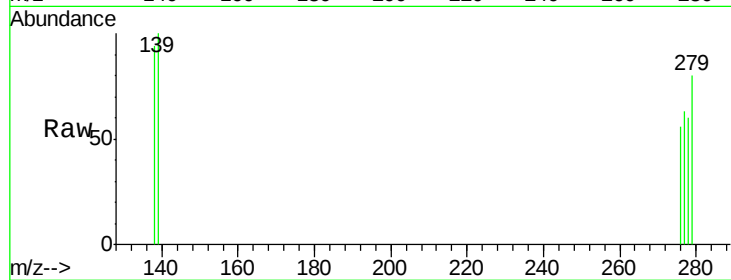
Acq: 17 Sep 2015 13:40

Instrument :

BNA_E

ClientSampleId :

PB85602BL



Tgt Ion:	278	Resp:	9
Ion	Ratio	Lower	Upper
278	100		
139	166.1	15.4	23.0#
279	132.3	18.8	28.2#

